



Subst. for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Sheet	1	of	8	Docket Number	068911-0075
-------	---	----	---	---------------	-------------

U.S. PATENT DOCUMENTS						
EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code ² (if known)		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US	3,451,821	6/24/1969	Todd et al.	
	2	US	4,389,421	6/21/1983	Palamand	
	3	US	4,758,445	7/19/1988	Klusters	
	4	US	5,041,300	8/20/1991	Todd et al.	
	5	US	5,370,863	12/6/1994	Barney, et al.	
	6	US	5,866,162	2/9/1999	Grattan, TJ	
	7	US	5,919,813	7/6/1999	De Juan	
	8	US	6,210,701	4/3/2001	Darland et al.	
	9	US	6,224,871	5/1/2001	Hastings et al.	
	10	US	6,264,995	7/24/2001	Newmark et al.	
	11	US	6,291,483	9/18/2001	Upadhyay et al.	
	12	US	6,482,456	11/19/2002	Yokoo, et al.	
	13	US	6,492,429	12/10/2002	Graus et al.	
	14	US	6,689,388	2/10/2004	Kuhrts	
	15	US	6,790,459	9/14/2004	Cheng et al.	
	16	US	7,144,590	12/5/2006	Khurts	
	17	US	7,195,785	3/27/2007	Babish et al.	
	18	US	7,205,151	4/17/2007	Babish et al.	
	19	US	7,270,835	9/18/2007	Tripp et al.	
	20	US	7,279,185	10/9/2007	Babish et al.	
	21	US	7,332,185	2/19/2008	Babish et al.	
	22	US	7,431,948	10/7/2008	Tripp et al.	
	23	US	20020028852	3/7/2002	Ghai, et al.	
	24	US	20020156087	10/24/2002	Nuss et al.	
	25	US	20030003212	1/1/2003	Chien et al.	
	26	US	20030008021	1/9/2003	Babish et al.	
	27	US	20030035851	2/20/2003	Chen	
	28	US	20030180402	9/25/2003	Jia et al.	
	29	US	20030228369	12/11/2003	Kuhrts	
	30	US	20040115290	6/17/2004	Tripp et al.	
	31	US	20040151792	8/5/2004	Tripp et al.	
	32	US	20050042317	2/24/2005	Babish et al.	
	33	US	20050129791	6/16/2005	Babish et al.	
	34	US	20050191375	9/1/2005	Babish et al.	

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use as many sheets as necessary)

Application Number	10/789,814
Filing Date	Feb. 27, 2004
First Named Inventor	John G. Babish
Art Unit	1617
Examiner Name	Shobha Kantamneni
Docket Number	068911-0075

Docket Number	068911-0075
---------------	-------------

[illegible]

DATE CONSIDERED

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

Subst. for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known			
				Application Number	10/789,814		
				Filing Date	Feb. 27, 2004		
				First Named Inventor	John G. Babish		
				Art Unit	1617		
				Examiner Name	Shobha Kantamneni		
Sheet	3	of	8	Docket Number	068911-0075		

FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes-Number & -Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation	
						Yes	No
	B1	CN 1203268	12/30/1998	China	Abstract		
	B2	DE 1901277	8/6/1970	Partipharm AG, Basel			
	B3	EP 0229022	7/15/1987	Sunshine et al.			
	B4	EP 0606599 A1	7/20/94	Miller Brewing Co.			
	B5	EP 0681029 A2	11/8/95	Zuyckerforschung			
	B6	EP 1 938 828	7/2/2008	Raul et al.			
	B7	EP 1543834	6/22/05	Biodynamics			
	B8	EP 1481671	12/1/2004	Kirin Beer Kabushiki Kaisha			
	B9	GB 2330076	4/14/99	S.S. Steiner, Inc.			
	B10	JP 07165583 (corresponding to EP 0229022)	6/27/1995	Sunshine et al.			
	B11	JP 08073369	3/18/96	Fuairudo KK			
	B12	JP 09502202 (corresponding to WO 95007079)	3/4/1997	Mitra			
	B13	JP 10179129	7/7/1998	Sapporo Breweries Ltd			
	B14	JP 11246399	9/14/1999	Heisei			
	B15	JP 11335231	12/7/1999	Shiseido Co. Ltd.			
	B16	JP 11513037 (corresponding to WO 97049405)	11/9/1999	Leeves et al.			
	B17	JP 2001161338	6/19/2001	Kyodo Shoji			
	B18	JP 2002-12550	1/15/02	Noevir Co. LTD			
	B19	JP 2002-505296 (corresponding to WO99/44623)	2/19/2002	NPS Pharmaceuticals Inc.			
	B20	JP 52145509	12/3/1977	Matsui			
	B21	JP 59059623	4/5/1984	Daigo Nutritive Chemicals, Ltd.			
	B22	JP 83009084	2/18/1983	Matsui T.			
	B23	WO 00/74696	12/14/00	OXFORD NATURAL PRODUCTS PLC			
EXAMINER				DATE CONSIDERED			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

Subst. for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known			
				Application Number		10/789,814	
				Filing Date		Feb. 27, 2004	
				First Named Inventor		John G. Babish	
				Art Unit		1617	
				Examiner Name		Shobha Kantamneni	
Sheet	4	of	8	Docket Number		068911-0075	
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes -Number 4 -Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation	
						Yes	No
	B24	WO 02/02582	1/10/02	Deutsches			
	B25	WO 02/32234 (corresponding to US 20030077313)	4/25/2002	Anton et al.			
	B26	WO 03/035007	5/1/2003	Babish et al.			
	B27	WO 03/068205 (corresponding to US 2006233902)	8/21/2003	Kirin Beer Kabushiki Kaisha			
	B28	WO 03/075943	9/18/2003	Chen			
	B29	WO 2003/000185	1/3/2003	Babish et al.			
	B30	WO 2003/035007	5/1/2003	Metaproteomics LLC			
	B31	WO 2003/068205	8/21/2003	Kirin Beer Kabushiki Kaisha			
	B32	WO 2004/037180	5/6/04	Metaproteomics LLC			
	B33	WO 2004/062611	7/29/04	Lipoprotein Technologies Inc.			
	B34	WO 2005/084230	9/15/05	Metaproteomics			
	B35	WO 2006/053249	5/18/2006	Babish et al.			
	B36	WO 2006/062681	6/15/2006	Babish et al.			
	B37	WO 2007/067812	6/14/2007	Trip et al.			
	B38	WO 95007079	3/16/1995	Mitra			
	B39	WO 97/31630	9/4/1997	U. of Minnesota			
	B40	WO 97049405	12/31/1997	Leeves et al.			
	B41	WO 99/44623	9/10/99	NPS PHARMA INC			
	B42	WO 99/61038	12/2/1999	Krotzer et al.			
	B43	WO 00/74696	12/14/00	OXFORD NATURAL PRODUCTS PLC			
	B44	WO 02/02582	1/10/02	Deutsches			
	B45	WO 03/082249	10/9/03	Alcon, Inc.			
	B46	WO 99/44623	9/10/99	NPS PHARMA INC			
	B47	WO 99/61038	12/1/1999	Adams Food Ltd.			
	B48	ZA 200000857	8/29/01	Marx, Anna-Susan			
EXAMINER				DATE CONSIDERED			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

Subst. for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/789,814
				Filing Date	Feb. 27, 2004
				First Named Inventor	John G. Babish
				Art Unit	1617
				Examiner Name	Shobha Kantamneni
Sheet	5	of	8	Docket Number	068911-0075

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	C1	Abel-salam et al., Pharmacological Research, England 47(4), pp 311-340 (Apr. 2003)
	C2	Albal, MV., et al., "Clinical evaluation of berberine in mycotic infections." Indian J. Ophthalmol 34:91-2 (1986)
	C3	Anto, et al., "Anti-inflammatory Activity of Natural and Synthetic Curcuminoids", Pharmacy and Pharmacology Communications, 4(2), pp 103-106 (1998)
	C4	Baldermann et al., J. Chromatography A 1192(1):191-3 (May 23, 2008) (Epub Apr. 8, 2008); abstract only (1 page)
	C5	Bermejo, et al. Rev. Esp. Enferm. Dig. 95(9): 621-624 and 625-628 (2003)
	C6	Bolick D et al., Endocrinology 144(12), pp 5227-5231 (Dec. 2003)
	C7	Carroccio, et al. Clin. Chem. 49(6):861-867 (2003)
	C8	Chandra, et al., "Anti-inflammatory and Anti-Arthritic Activity of Volatile Oil of Curcuma Longa (Haldi)", Indian Journal of Med. Research, Vol. 60, No. 1, 1972, 138-142.
	C9	Chattopadhyay et al., Current Science, 87(1) (July 10, 2004)
	C10	Chen Wei-Jen et al., Journal of Agricultural and Food Chemistry 52(1), pp 55-64 (01/01/2004)
	C11	Chou, et al. Adv enzyme regul 22:27-55 (1983)
	C12	CHOU, et al. Eur. J. Biochem. 115:207-216 (1981)
	C13	Chou, et al. J. Biol. Chem. 252(18):6438-6442 (1977)
	C14	Chou, et al., TIPS, pp. 450-454, Nov. 1983
	C15	Cohen, Protein Kinases - the major drug targets of the twenty-first century? Nature Reviews, 1: 309-315 (2002)
	C16	De Keukeleire "Fundamentals of Beer and Hop Chemistry" Quimica Nova, 23(1) pp 108-112 (2000)
	C17	EP Search Report for EP App. No. 07809709.4
	C18	European Search Report EP 05 723 839.6
	C19	European Search Report for corresponding EP Application No. 02737562.5 (4 pages)
	C20	European Search Report for related European Application No.: 02784313.5.
	C21	Exercise as Treatment for Arthritis, Rheumatic and Immunologic Diseases, Cleveland Clinic, www.clevelandclinic.org, March 14, 2000.
	C22	Extended European Search Report EP 10162893.1
	C23	Extended European Search Report EP 07717798.8
	C24	Extended European Search Report EP 07809708.6
	C25	Foucault et al., J. Chromatography A 808(1-2):3-22 (May 29, 1998); abstract only (3 pages)
	C26	Gao et al., J. Food Sci. Nutr. Vol. 9, pp 240-244 (2004)
EXAMINER		DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

Subst. for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/789,814
				Filing Date	Feb. 27, 2004
				First Named Inventor	John G. Babish
				Art Unit	1617
				Examiner Name	Shobha Kantamneni
Sheet	6	of	8	Docket Number	068911-0075
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	C27	Gerhauser, "Beer Constituents as Potential Cancer Chemopreventive Agents, EP Journal of Cancer 41; 1941-1954: (2005)			
	C28	Germany, "The Absolutely German Drink," contents of beer, 2004, 5 pages.			
	C29	Gilani, "Studies on Antihypertensive and Antispasmodic Activities of Methanol Extract of Acacia nilotica Pods", Phytotherapy Research 13: 665-669 (1999)			
	C30	Goldstein, et al. Am. J. Gastroenterol. 96(4):1019-1027 (2001)			
	C31	Hamberg, et al. J. Bio. Chem. 246(22):6713-6721 (1971)			
	C32	Information on "ArthroTrim TM product", downloaded from Internet 8/30/02			
	C33	Information on "Hops and Beer Flavours", IOB Technical Symposium, April 2001, pp. 1-9.			
	C34	Information on "Zyflamend and Zyflamend PM", downloaded from Internet 8/30/02.			
	C35	International Search Report for Corresponding PCT Application No. PCT/US05/41018; 2pp			
	C36	International Search Report for PCT /US06/30920, 08/03/07, 3 pages			
	C37	International Search Report for PCT/US06/47196			
	C38	Jach, Przegl Dermatol. 65(4):379-381 (1978)			
	C39	Jafri et al., Pakistan Journal of Science, Vol. 61, No. 4, pp 220-222 (2009, Dec.)			
	C40	Kaltner, Investigation of formation of Hops Aroma and technological Measures for Products of Hops-Aromatic Beers, Technical University of Munich, 7 pp. corresponding to Kaltner, D., Technische Universitat Munchen, (11/30/2000), pp. 1-193, plus Tabs. AH1-A			
	C41	Konda, et al., Arthritis & Rheumatism 62(6): 1683-1692, (2010)			
	C42	Lamy Virginie et al., Apoptosis, an Int'l Journal on Programmed Cell Death, 13(10), pp 1232-1242 (Aug. 25, 2008)			
	C43	Lamy Virginie et al., Carcinogenesis, 28(7), pp 1575-1581 (July 2007)			
	C44	Lerman et al, FASEB Journal, Fed. Of American Soc. For Experimental Biol., Vol. 18, No. 4-5 (2004, Jan. 1)			
	C45	Lopes, Curr. Med Res Opin. 8(3):145-149 (1982)			
	C46	Mannering et al., Food, Nutrition and Chemical Toxicity X(X), pp 311-323 (Jan. 1, 1993)			
	C47	Minich et al., Journal of nutrition and Metabolism, Vol. 2010, article ID 467316, pp-1-11, (2010)			
	C48	Newark, et al., "Beyond Aspirin", pp. 147-151, Hohm Press (2000)			
	C49	Office Action issued for App. No. 11667614 (068911-0198) mailed 04/16/2010			
	C50	Office Action issued for App. No. 11667615 (068911-0199) mailed 03/16/2010			
	C51	Office Action issued for App. No. 11701583 (068911-0178) mailed 02/08/2008			
	C52	Office Action issued for App. No. 11701583 (068911-0178) mailed 07/06/2009			
	C53	Office Action issued for App. No. 11701583 (068911-0178) mailed 11/26/2008			
EXAMINER				DATE CONSIDERED	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

Subst. for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/789,814
				Filing Date	Feb. 27, 2004
				First Named Inventor	John G. Babish
				Art Unit	1617
				Examiner Name	Shobha Kantamneni
Sheet	7	of	8	Docket Number	068911-0075
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	C54	Office Action issued in U.S. App. No. 10/464,834 (068911-0012) on 08/03/2010			
	C55	Office Action issued in U.S. App. No. 10/532,388 (068911-0116) on 03/26/2010			
	C56	Office Action issued in U.S. App. No. 10/590,301 (068911-0169) on 08/19/2010			
	C57	Office Action issued in U.S. App. No. 10/590,424 (068911-0160) on 06/29/2010			
	C58	Office Action issued in U.S. App. No. 10/789,814 (068911-0075) on 06/11/2010			
	C59	Office Action issued in U.S. App. No. 11/344,556 (068911-0142) on 09/03/2010			
	C60	Office Action issued in U.S. App. No. 11/344,556 (068911-0142) on 12/16/2009			
	C61	Office Action issued in U.S. App. No. 11/344,556 (068911-0142) on 03/27/2009			
	C62	Office Action issued in U.S. App. No. 11/344,557 (068911-0139) on 03/25/2010			
	C63	Office Action issued in U.S. App. No. 11/344,557 (068911-0139) on 04/21/2008			
	C64	Office Action issued in U.S. App. No. 11/344,557 (068911-0139) on 08/28/2009			
	C65	Office Action issued in U.S. App. No. 11/344,557 (068911-0139) on 01/10/2007			
	C66	Office Action issued in U.S. App. No. 11/344,557 (068911-0139) on 09/26/2007			
	C67	Office Action issued in U.S. App. No. 11/649,584 (068911-0175) on 03/03/2010			
	C68	Office Action issued in U.S. App. No. 11/344,552 (068911-0138) on 09/08/2010			
	C69	Office Action issued in U.S. App. No. 11/501,393 (068911-0150) on 08/25/2010			
	C70	Office Action issued in U.S. App. No. 12/030,335 (068911-0238) on 10/21/2010			
	C71	Office Action issued in U.S. App. No. 11/636,867 (068911-0172) on 08/30/2010			
	C72	Office Action issued in U.S. App. No. 11/729,696 (068911-0180) on 03/25/2010			
	C73	Pairet, et al. Inflamm. Res 47(2), s93-s101 (1998)			
	C74	Panglisch, Monafsschrift fuer Brauwissen Schaft, 43(1), 4-16 (1990)			
	C75	Parts per Milliion, 1 page, 2004			
	C76	Poullis ,et al. J. Gastroenterol. Hepatol. 18:756-762 (2003)			
	C77	Provital Group, Rosemary-eco Botany, 2007, 9 pages			
	C78	Q & A, (what does ppm or ppb mean?) 3 pages, 2004			
	C79	Rahman, M.M., et al., "Conjugated linoleic acid inhibits osteoclast differentiation of RAW264.7 cells by modulating RANKL signaling" J. Lipid Res., 47(8): 1739-1748, (2006)			
	C80	Stephan T E et al., Biochemical Pharmacology, 55(4), pp 505-514, (Feb. 15, 1998)			
	C81	Stevens, Xanthohumol and related Prenylflavonoids from Hops and Beer: To Your Good Health, Science Direct, 2pp (2004)			
	C82	Suh, et al. Cancer Res 58:717-723 (1988)			
	C83	Supplemental European Search Report for EP 07845228			
EXAMINER				DATE CONSIDERED	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

Subst. for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/789,814
				Filing Date	Feb. 27, 2004
				First Named Inventor	John G. Babish
				Art Unit	1617
				Examiner Name	Shobha Kantamneni
Sheet	8	of	8	Docket Number	068911-0075
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	C84	Supplementary European Search Report from related EP Application No.: 05851567, 8PP			
	C85	Supplementary Partial European Search Report for related European Patent Application No. 05723895.8, 5 pages (2007)			
	C86	Tagashira M et al., Bioscience, Biotechnology, and Biochemistry, 59(4), pp 740-742 (April 1995)			
	C87	The national. 3 pages (1999)			
	C88	Tibble, et al. Drugs Today 37(2):85-96 (2001)			
	C89	Turmeric: The Ayurvedic Spice of Life, published at www.bioponic.com/pdfs/TurmericAyurveda.pdf (2003)			
	C90	US News and world report re Palliative Care, 10 pages (2008)			
	C91	Van Montfrans et al. Inflammatory Signal Transduction in Crohn's Disease and Novel Therapeutic Approaches. Science Direct, 06/2/2002, 20 pages. Biochemical Pharmacology, vol 64, issues 5-6.			
	C92	Vanhoenacker, et al., Journal of Chromatography, Vol. 1035, No.1, (4-30-2004), pp.53-61			
	C93	Verzele, et al. Chemistry and analysis of hop and beer bitter acids, Developments in food science, 27, pages 44-51, 88-139 (1991).			
	C94	Verzele and De Keukeleire (eds.) Chemistry and Analysis of Hop and Beer Bitter Acids; Elsevier, Chapters 5, 20 pages (1991)			
	C95	Verzele and De Keukeleire (eds.) Chemistry and Analysis of Hop and Beer Bitter Acids; Elsevier, Chapters 6, 8 pages (1991)			
	C96	Wang, et al. Free Radical Biology & Medicine 27:612-616 (1999)			
	C97	Ward, et al., Therapeutic Potential of Phosphoinositide 3-Kinase Inhibitors, Chemistry & Biology, Vol. 10, 207-210, March 2003,			
	C98	Written Opinion for corresponding PCT Application NO. PCT/US05/41018; 3 pp			
	C99	Yui, et al. Biol. Pharm. Bull. 26(6):753-760 (2003)			
	C100	Zhao Feng et al., Biological and Pharmaceutical Bulletin, 26(1), pp 61-65 (Jan. 2003)			
EXAMINER			DATE CONSIDERED		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.